

AMENDMENTS TO THE SPECIFICATION

Please replace the second paragraph on page 11 with the following amended paragraph (this paragraph corresponds to paragraph [0043] in the published application):

FIGS. 1(a)-1(d) illustrate characteristics of the analytic tone according to the preferred embodiment of the present invention. The training symbols carry out signal detection, automatic gain control, synchronization and channel estimation. FIG. 1(a) shows ~~a~~an example of the input complex value for the analytic tone of the preferred embodiment of the present invention. The symbols of ".times." and "+" in FIG. 1(a) represent respective real and imaginary parts of each complex IFFT input.